

On page 1, line 5, change "in" to --published in the
October 1998 issue of--.

On page 1, line 6, delete "October 1998 issue, page
8;--.

On page 1, line 9, delete "then".

On page 1, line 10, change "image, which are then"
to --Then, the road signals are--.

On page 1, line 15, change "which" to --that--.

On page 1, line 16, delete "which".

On page 1, line 18, change "known from" to --
described in PCT Patent No.--.

On page 1, delete line 21, and insert:
--SUMMARY--.

On page 1, line 22, change "By contrast, the" to
--The--.

On page 1, delete line 23, and insert:
--has the--.

On page 1, line 24, change "as well as" to
--and--.

On page 2, line 4, delete "particularly".

On page 2, line 8, change "only" to --is--.

On page 2, line 9, change "which" to --that--.

On page 2, line 11, delete "particularly".

surrounding the vehicle. Furthermore, only one processing unit for processing the image information obtained is required.

Moreover, it is ~~particularly~~ advantageous that the interior of the vehicle is illuminated by a radiation source that is at least largely invisible to the human eye. This has the advantage that during night driving, when as a general rule the interior of a vehicle is not lit or ^{is} only poorly lit, the interior can nevertheless be monitored by a camera ^{that} which is sensitive to radiation emitted by the radiation source. Herein it is ~~particularly~~ advantageous to use an infra-red radiation source, ^{for example} preferably one or more infra-red light-emitting diodes. This does not distract the driver, unlike a visible source.

Furthermore, it is advantageous to obtain an image of the interior from a superimposition of an image of the surrounding area and ^{the interior. A} ~~of the interior~~, a processing unit subtracts an image of the exterior only from this superimposition. As a result, when the system alternates between capturing the surrounding area and the interior, there is no need to interrupt recording of the exterior, because the system simply interrupts recording of the interior. As a result, there is no need for optical interrupt elements, such as ~~in particular~~ ^{for example} mechanical shutters or mirrors. ^{Thus,} ~~In particular~~, if the interior is illuminated by an infra-red radiation source and the image of the interior is captured via an infra-red filter, an image of the interior is essentially only captured if the infra-red radiation source is activated. ^{Thus,} ~~Thus~~ alternating monitoring of the interior and the surrounding area is feasible via a switch-off/switch-on sequence for the infra-red radiation source, ^{source,} provided the camera device has a further beam path ^{that} which extends into the area surrounding the vehicle and can capture the area surrounding the vehicle.

Furthermore, it is advantageous to capture only the visible part of the surrounding area in a first process step, and to

On page 2, line 12, change "preferably" to --for example--.

On page 2, line 18, change "of the interior; a" to --the interior. A--.

On page 2, line 24, delete "in particular".

On page 2, line 25, change "In particular" to --For example--.

On page 2, line 29, change "Thus" to --Thus,--.

On page 2, line 32, change "source" to --source,--.

On page 2, line 33, change "which" to --that--.

On page 3, line 4, change "terms, which" to --terms. This--.

On page 3, line 6, delete "particularly", and change "carry out" to --perform--.

On page 3, line 7, change "switching" to --switch--.

On page 3, line 10, change "in particular" to --for example--.

On page 3, line 18, change "In particular" to --For example--.

On page 3, line 19, change "carried out" to --performed--.

On page 3, delete line 30, and insert:
--for example his eyes, the road markings, and--.

capture only the visible part of the interior in a second process step. Thus it is not necessary for the images of the interior and the surrounding area to be separated in processing ^{terms. This} ~~terms~~, which means the processing unit in which the image data is evaluated does not have to be especially powerful. Herein, it is ~~particularly~~ ^{perform} advantageous to ~~carry out~~ ^{switch} the ~~switching~~ over between capturing the part of the surrounding area visible to the camera and capturing the part of the interior visible to the camera via an electro-optical light valve, ^{for example} ~~in particular~~ via a liquid crystal cell, which can be switched back and forth between a transparent mode and an absorptive mode based on a signal applied.

Furthermore, it is advantageous when switching back and forth between capturing image signals from the surrounding area and image signals from the interior to switch back and forth as soon as partial areas of the maximum area that can be captured by the camera device have been captured. ^{for example} ~~In particular,~~ switching back and forth may be ^{performed} ~~carried out~~ after image columns or image rows have been captured or after groups of pixels have been captured. As the image data also has to be transmitted to the processing unit and processed there, this method has the advantage that it allows quicker switching back and forth between capturing the interior and the exterior, so that the shift between two captured images, e.g., of the exterior, which is based on the movement of the vehicle, is reduced.

Furthermore, it is advantageous to capture the driver's face, ^{for example his eyes, the road markings, and} ~~in particular his eyes, as well as the road markings and,~~ respectively, the position of the vehicle relative to the road ^{markings. This} ~~markings; this is because this~~ information can be used to determine whether the driver may have fallen asleep and may therefore be driving in an uncontrolled manner, and can be used to activate a warning device ^{that} ~~which~~ wakes up the driver. ^{Since,} ~~Thus,~~ because the driver's face is also captured, ~~additional~~ safety ~~compared to the related art,~~ in which a camera device

On page 3, line 31, delete "respectively,".

On page 3, line 32, change "markings; this is because this" to --markings. This--.

On page 3, line 35, change "which" to --that--.

On page 3, line 36, change "Thus, because" to --Since--, and delete "additional".

On page 3, line 37, change "safety compared to the related art" to ~~is~~safety, as compared to conventional methods and devices--.

On page 4, line 1, change "achieved" to --increased--.

On page 4, line 3, change "some" to --a--.

On page 4, line 12, change "Because" to --Since--.

On page 4, line 13, delete "because".

On page 4, line 28, after "for" insert --an--.

On page 4, line 30, change "namely" to --for example--.

On page 4, line 32, change "heater" to --heater--, and change "using" to --sitting--.

On page 4, line 33, change "In particular" to --For example--.

On page 5, line 5, change "preferably" to --for example--.

the seat is unoccupied, and injury to a child by an airbag can be prevented if the seat is occupied by a child seat.

Furthermore, it is advantageous to also capture the lip movements of a predefinable person in the vehicle, ^{for example} preferably the driver, in order to support a speech input system. If, for example, during speech input it is ^{unclear} ~~unclear~~ which command has been input due to driving noise, the driver's lip movements can be captured by the camera device and evaluated so as to check the speech input. This is possible, for example, if the lip movements are analyzed to determine whether the syllables that correspond to the lip movements captured are contained in the command understood by the speech input unit. If the speech input unit cannot make unambiguous assignments based on what it has understood, this can possibly be achieved by ^{performing} ~~carrying out~~ a comparison with the lip movements.

Furthermore, it is advantageous to provide a device ~~so as~~ to allow capturing of the area surrounding the vehicle and ~~of~~ the vehicle interior. ^{For example} ~~In particular~~, it is advantageous to design a camera device so that one beam path points in the direction of the interior and one beam path points in the direction of the road, ^{for example} ~~preferably~~ in the direction of travel, because as a general rule from the driver's point of view the road, i.e., the edge of the road, and objects in his own lane are the most important information in the area surrounding the vehicle.

Furthermore, it is advantageous to provide a deviation mirror that is semi-transparent in the camera device. One beam path, e.g., from the interior, may enter the camera device via reflection, and another beam path may enter via transmission through the semi-transparent mirror. As a result, there is no need for mechanical adjusting between the two beam paths. Furthermore, it is advantageous to design at least one deviation mirror to be concave or convex; as a result, the area that can be monitored by the camera can be limited or enlarged, depending on the use of the device.

On page 5, line 7, change "unclear" to --unclear,--.

On page 5, line 15, change "carrying" to --performing--.

On page 5, line 16, delete "out".

On page 5, line 18, delete "so as".

On page 5, line 19, delete "of" (second occurrence).

On page 5, line 20, change "In particular" to --For example--.

On page 5, line 23, change "preferably" to --for example--.

On page 6, line 1, change "as" to --as, for example,--.

On page 6, line 4, delete "particularly".

On page 6, line 8, change "objects" to --objects,--.

On page 6, line 15, delete "of".

On page 6, line 20, delete "particularly".

On page 6, delete lines 32-37, and insert:

--BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 shows an arrangement of a device according to the present invention in a motor vehicle.

24 Figure 2 shows a flow chart of a first embodiment of a method according to the present invention.

Figure 2a shows a first process step of a method according to

the present invention.

Figure 2b shows a second process step of a method according to the present invention.

Figure 2c shows an evaluation method according to the present invention.

Figure 3 shows a flow chart for a second embodiment of a method according to the present invention.

Figure 4 shows a first embodiment of a device according to the present invention.

Figure 5 shows a second embodiment of a device according to the present invention.

Figure 6 shows a third embodiment of a device according to the present invention.

Figure 7 shows a fourth embodiment of a device according to the present invention.

Figure 8a shows a first embodiment of a deviation mirror according to the present invention.

Figure 8b shows a second embodiment of a deviation mirror according to the present invention.

DETAILED DESCRIPTION--.

On page 7, delete lines 1-14.

On page 7, line 18, change "13, a" to --13. A--, and change "leading" to --leads--.

On page 7, line 21, change "opposite side" to --

side--, and after "10" insert --opposite--.

On page 7, line 23, change "Second" to --Therefore, second--.

On page 7, line 24, delete "therefore only".

On page 7, line 31, change "preferably embodied as" to --embodied as, for example,--.

On page 7, line 33, change "In particular" to --For example--.

On page 7, line 37, change "unit" to --unit,--.

On page 8, line 2, change "either be arranged in" to ~~be arranged in, for example, either--.~~

On page 8, line 3, delete "or in".

On page 8, line 4, delete "in".

On page 8, line 5, change "a preferred" to --an--.

On page 8, line 17, change "Preferably" to --Therefore--, and delete "therefore".

On page 8, line 18, change "arranged" to --arranged, for example,--.

On page 8, line 34, change "unit, a" to --unit. A--, and change "being output" to --is output--.

On page 9, line 2, change "35, in which" to --35. In second process step 34,--.

On page 9, line 5, change "previously," to

26 ~~[-~~previously. Image information regarding the vehicle interior is determined--.

On page 9, line 8, delete "obtained", and change "also output" to --obtained and output--.

On page 9, line 9, change "media, the second output being in particular" to --media. The second output is--.

On page 9, line 12, delete "in".

On page 9, line 13, delete "particular".

On page 9, line 31, delete "of".

On page 9, line 33, change "carried out" to --performed--.

On page 10, line 8, change "which" to --that--.

On page 10, line 9, change "device and of" to --device,--.

On page 10, line 10, change "33" to --33,--.

On page 10, line 34, change "carried out" to --performed--.

On page 11, line 13, change "preferably" to --for example--.

On page 11, line 23, change "carried out" to --performed--.

On page 11, line 25, after "60," insert --and--.

On page 11, line 26 change "being" to --is--.

On page 12, line 16, change "carried out" to --performed--.

On page 12, line 27, after "vehicle" insert --and--.

On page 13, line 5, change "carried out" to --performed--.

On page 13, line 9, change "preferred" to --an--.

On page 13, line 14, change "Particularly" to --For example,--.

On page 13, line 22, change "having" to --that has--.

On page 13, line 24, change "as" to --as, for example,--.

On page 14, line 11, change "housing which is preferably" to --housing, which, for example, is--.

On page 14, line 25, change "a preferred" to --an--.

On page 14, line 28, change "in" to --of--.

On page 14, line 34, delete "preferably".

On page 14, line 36, change "carried out" to --performed--.

On page 15, line 2, change "captured, this" to --captured. This--.

On page 15, line 3, change "being" to --is--.

On page 15, line 7, change "Preferably the" to

--The--, and change "as" to --as, for example,--.

On page 15, line 14, change "through infra-red radiation" to --infra-red radiation through--.

On page 15, line 16, change "Thus in particular" to --Thus, for example,--.

On page 15, line 18, delete "thus".

On page 15, line 28, change "interior" to --interior,--.

On page 15, line 30, change "100" to --100,--.

On page 16, line 4, change "mean" to --include--.

On page 16, line 6, change "which mean that" to --since--, and after "seen" insert --by--.

On page 16, line 7, change "mean" to --include--.

On page 16, line 8, change "as" to --as, for example,--.

On page 17, line 1, change "a preferred" to --an--.

On page 17, line 21, change "as" to --as, for example,--.

On page 17, line 30, change "carrying out" to --performing--.

On page 18, line 13, change "provided," to --provided that--.

On page 18, line 32, change "is" to --are--.